Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work : Detailed Estimated for Improvements & Asphalting to 1st & 2nd Main road of BHEL mini Colony & other roads in Mallasandra, in Shettyhalli Sub Division, Ward No.13

Est.Cost Rs 49.90Lakhs

Sl. No.	Description of Items	Unit	No.	L.	B.	D	Qty.	Rate	Amount
1	KSRRB-302-1	3	4	5	6	by manually 7	8	9	10
1	KSRB 2-1.2: Earthwork in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, specification No. KBS 2.1(a) / 2.3.1 Page No. 5/ Item No. 2.1/ PWD SR 2012-13								
	Total Length of road for Asphalt	~~19678~~ 15000 .95.x 6/100	1	~~1180.00~~ 900.		0.15	~~177.00~~ 135.00	58.32	~~7873.00~~
							~~177.00~~ 135.00	~~112.32~~	~~19881.00~~
	Basic Rate	~~104.00~~	58.00						
	Area Weightage 8%	8.32	4.32						
		112.32	58.32						
2	KSRRB M400-17: Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam Specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per Specifications.MORTH Specification No. 406 Page No. 167/ Item No. 20.18/ PWD SR 2012-13								
			1	1180.00		0.20	~~236.00~~ 180.00		190706.00
							236.00	1059.48	~~**250037.00**~~
	Basic Rate	981.00							
	Area Weightage 8%	78.48							
		1,059.48							
3	KSRRB 500-4: Providing and applying primer coat from 7.5 to 9.8 kg and 9.8 to 12.2 kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut back M.C-70 or any other bitumen mixed with diesel at 10kg per 10sqm heated in bitumen boiler fitted with spray set (Excluding cleaning of road surface) including cost of all materials, labour, HOM of Machineries Complete as per Specifications. MORTH Chapter 5 Page No. 172/ Item No. 21.4/ PWD SR 2012-13								
			1	1180.00			1180.00		
							1180.00	68.36	**80670.00**
	Basic Rate	63.30							
	Area Weightage 8%	5.06							
		68.36							
4	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5 Page No. 172/ Item No. 21.2/ PWD SR 2012-13								

	1st main	Sqm	1	180.00	4.50		810.00		
	2nd Main		1	170 00	4.75		807.50		
	Muneshwara Block Cross roads - 1st cross		1	98.00	3.70		362.60		
	2nd Cross		1	97.00	3.50		339.50		
	3rd Cross		1	97.00	3.75		363.75		
	4th cross		1	97.00	4.00		388.00		
	5th Cross		1	56.00	3.50		196.00		
	16 D Cross		1	130.00	4.00		520.00		
	3rd Cross		1	100.00	4.00		400.00		
			1	55.00	4.80		264.00		
			1	55.00	4 00		220.00		
	2nd cross		1	97.00	4.80		465.60		
	3rd cross		1	97.00	4 50		436.50		
	Kodava Samaja Road		1	55.00	5.00		275.00		
			1	50.00	5.00		250.00		
			1	90.00	5.00		450.00		
			1	45.00	5 00		225.00		
			1	45.00	5.00		225.00		
			1	50.00	4 70		235.00		
	Vishala Public School		1	240.00	5.00		1200.00		
	Mathru Shri layout		1	150.00	5.00		750.00		
	ChamundeshWari Temple road		1	300.00	4.75		1425 00		
			1	100.00	5.00		500.00		
	3rd main		1	400 00	5.50		2200.00		
	Ravindranagara 4th main road		1	330.00	5.00		1650.00		
	Santhosh nagara Airforce Compound Road		1	600.00	5.50		3300.00		
	2nd Cross		1	65.00	4.50		292.50		
	3rd Cross		1	147.00	4.00		588.00		
	6th Cross		1	120.00	4.40		528.00		
							19666.95	2.38	**46729.00**
	Basic Rate	2.20		N116					
	Area Weightage 8%	0.18							
		2.38							
5	KSRRB 500-10 : Tack Coat:- Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bituminous/granular surface cleaned with mechanical broom complete as per specifications using bitumen emulsion. MORTH Specification No.503 (Page No.173, Item No. 21.10.1)								
	1st main	Sqm	1	180.00	4.50		810.00		
	2nd Main		1	170.00	4.75		807.50		
	Muneshwara Block Cross roads - 1st cross		1	98.00	3.70		362.60		
	2nd Cross		1	97.00	3.50		339.50		
	3rd Cross		1	97.00	3.75		363.75		
	4th cross		1	97.00	4.00		388.00		
	5th Cross		1	56.00	3.50		196 00		
	16 D Cross		1	130.00	4.00		520.00		
	3rd Cross		1	100.00	4.00		400.00		
			1	55.00	4.80		264.00		
			1	55.00	4.00		220.00		

	2nd cross		1	97.00	4.80		465 60		
	3rd cross		1	97.00	4.50		436.50		
	Kodava Samaja Road		1	55.00	5.00		275.00		
			1	50.00	5.00		250.00		
			1	90.00	5.00		450.00		
			1	45.00	5.00		225.00		
			1	45.00	5.00		225.00		
			1	50.00	4 70		235.00		
	Vishala Public School		1	240.00	5.00		1200.00		
	Mathru Shri layout		1	150.00	5.00		750.00		
	ChamundeshWari Temple road		1	300.00	4.75		1425.00		
			1	100.00	5.00		500.00		
	3rd main		1	400 00	5.50		2200.00		
	Ravindranagara 4th main road		1	330.00	5.00		1650.00		
	Santhosh nagara Airforce Compound Road		1	600.00	5.50		3300.00		
	2nd Cross		1	65.00	4.50		292.50		
	3rd Cross		1	147.00	4.00		588.00		
	6th Cross		1	120.00	4 40		528.00		
							19666.95	10.80	**212403.00**
	Basic Rate	10.00							
	Area Weightage 8%	0.80							
		10.80							
6	KSRRB M500-18: Providing and laying semi dense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No. 500.8 complete in all respects as per specifications. With 80/100 grade bitumen Page No. 175/ Item No. 21.20.1/ PWD SR 2012-								
		Cum	1	180.00	4.50	0.025	20.25		
	2nd Main		1	170.00	4.75	0.025	20.19		
	Muneshwara Block Cross roads - 1st cross		1	98.00	3.70	0.025	9.07		
	2nd Cross		1	97.00	3.50	0.025	8.49		
	3rd Cross		1	97.00	3.75	0.025	9.09		
	4th cross		1	97.00	4.00	0.025	9.70		
	5th Cross		1	56.00	3.50	0.025	4.90		
	16 D Cross		1	130.00	4.00	0.025	13.00		
	3rd Cross		1	100.00	4.00	0.025	10.00		
			1	55.00	4.80	0.025	6.60		
			1	55.00	4.00	0.025	5.50		
	2nd cross		1	97.00	4.80	0.025	11.64		
	3rd cross		1	97.00	4.50	0.025	10.91		
	Kodava Samaja Road		1	55.00	5.00	0.025	6.88		
			1	50.00	5.00	0.025	6.25		
			1	90.00	5.00	0.025	11.25		
			1	45.00	5.00	0.025	5.63		
			1	45.00	5.00	0.025	5.63		
			1	50.00	4.70	0.025	5.88		

	Vishala Public School		1	240.00	5.00	0.025	30.00		
	Mathru Shri layout		1	150.00	5.00	0.025	18.75		
	ChamundeshWari Temple road		1	300.00	4.75	0.025	35.63		
			1	100.00	5.00	0.025	12.50		
	3rd main		1	400.00	5.50	0.025	55.00		
	Ravindranagara 4th main road		1	330.00	5.00	0.025	41.25		
	Santhosh nagara Airforce Compound Road		1	600.00	5.50	0.025	82.50		
	2nd Cross		1	65.00	4.50	0.025	7.31		
	3rd Cross		1	147.00	4.00	0.025	14.70		
	6th Cross		1	120.00	4.40	0.025	13.20		
							491.67	8829.00	**4340988.00**
	Basic Rate	8,175.00							
	Area Weightage 8%	654.00							
		8,829.00							
7	KSRRB 400-1.3: Carriage of mixed materials 10 kms for items of Sl.No 19.1 to 19.6 and 19.8 to 19.16 (Page No.183)								
	Qty.vide item No 3	Cum					491.67		
							491.67	56.70	**27878.00**
	Basic Rate	52.50							
	Area Weightage 8%	4.20							
		56.70							
8	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 2 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 62.20 (P.147 I.18.57/1)								
	Qty Vide Item No=1						**177.00**		
	Qty Limited to						**156.00**	72.71	11342.00
	Basic Rate	5.12							
	Loading and Unloading Charges	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
9	Miscellaneous and other unforseen charges								
								Total	**4990000.00**

(Rupees FourtyNine Lakhs Ninety Thousand Only)

Sub Total: 4918589.01

Unforseen & Miscellaneous: 71411.00

CERTIFICATE

1 The work sport has been inspected and the work found to be necessary
2 This estimate is prepared as per the PWD S.R of 2012-13
3 The provisions made in estimate are adequate and essential
4 This area comes under BBMP limits

Asst. Engineer
Ward No-13

A/S

Asst.Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

JC(DH) AS 732/12-13 Dated: 28/02/13
49.90 lakhs (Rupees Forty nine lakhs ninety thousand only)
Page No-133
Sl. No. 732

ಸಂಖ್ಯೆ 84/12-13 ದಿನಾಂಕ: 4/03/2013
ರೂ. 49.90 ಲಕ್ಷಗಳು (ನಲವತ್ತೊಂಬತ್ತು ಲಕ್ಷದ ತೊಂಭತ್ತು ಸಾವಿರ ರೂಪಾಯಿಗಳು ಮಾತ್ರ)
ಈ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.